

Current Process for Supporting the Bedside Scanning System Scan Code Database

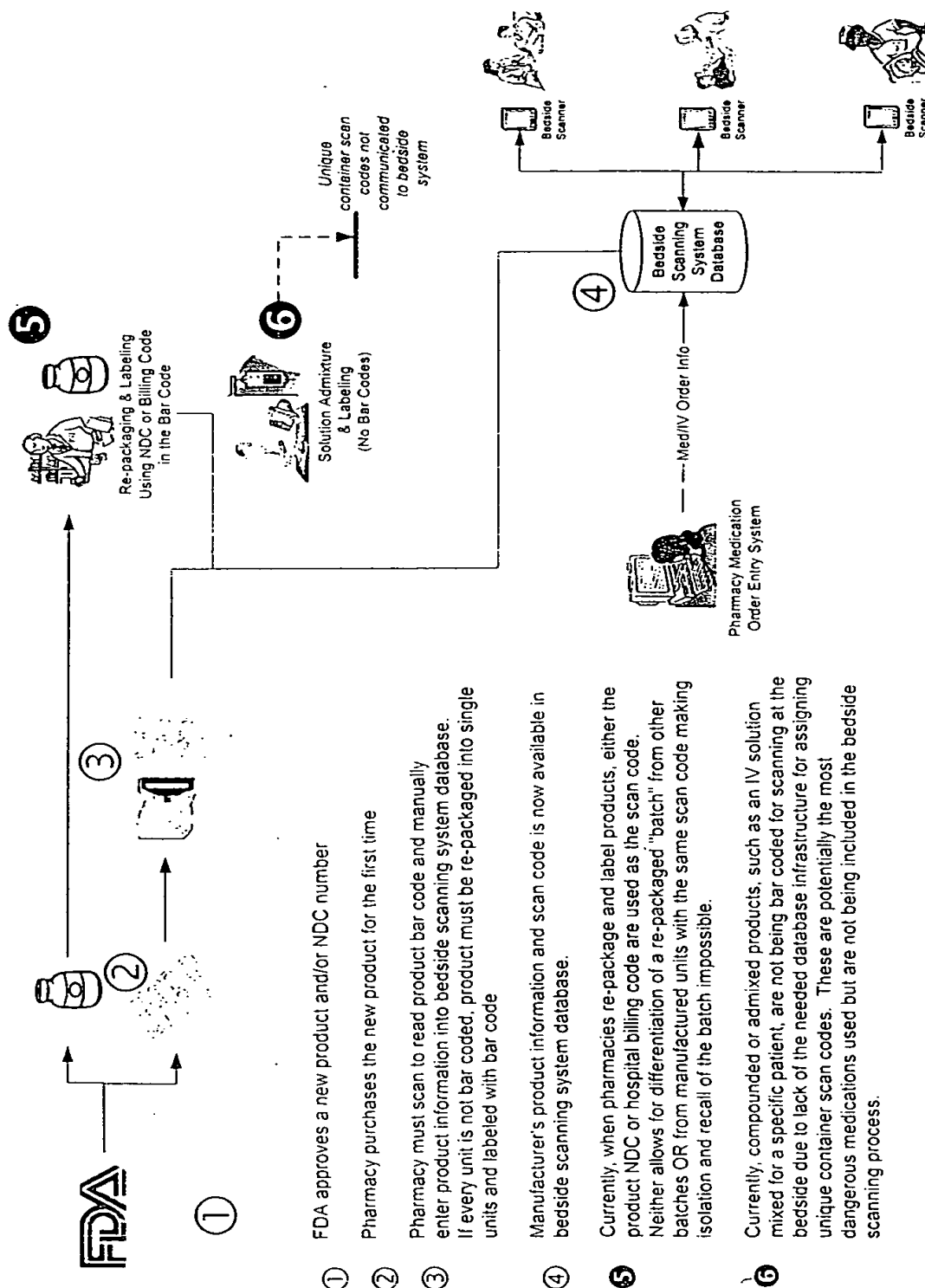


Figure 1
Prior Art

Proposed Process for Supporting the Bedside Scanning System Scan Code Database

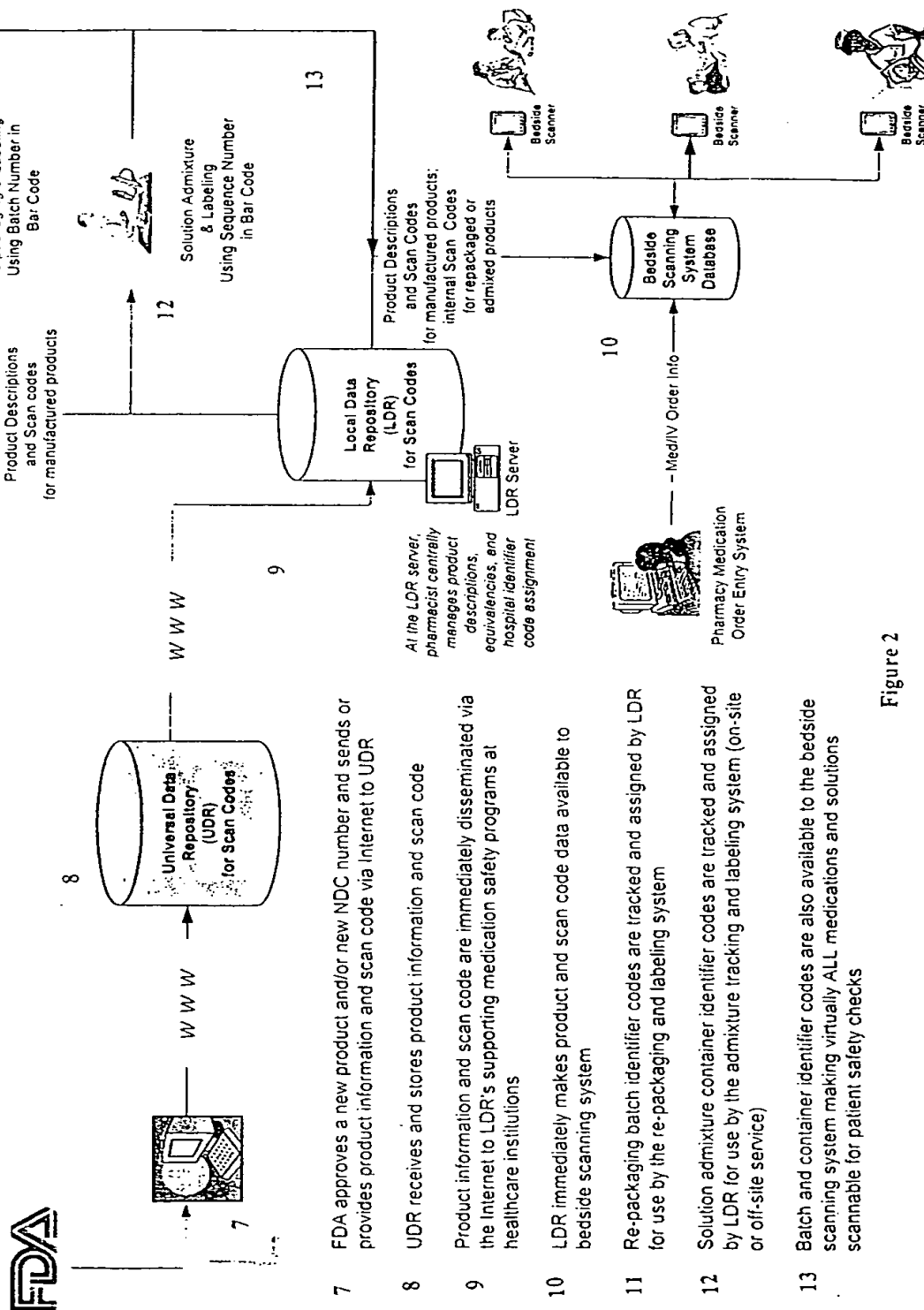


Figure 2

Current Product Recall Process

(Example = A Recalled Medication)

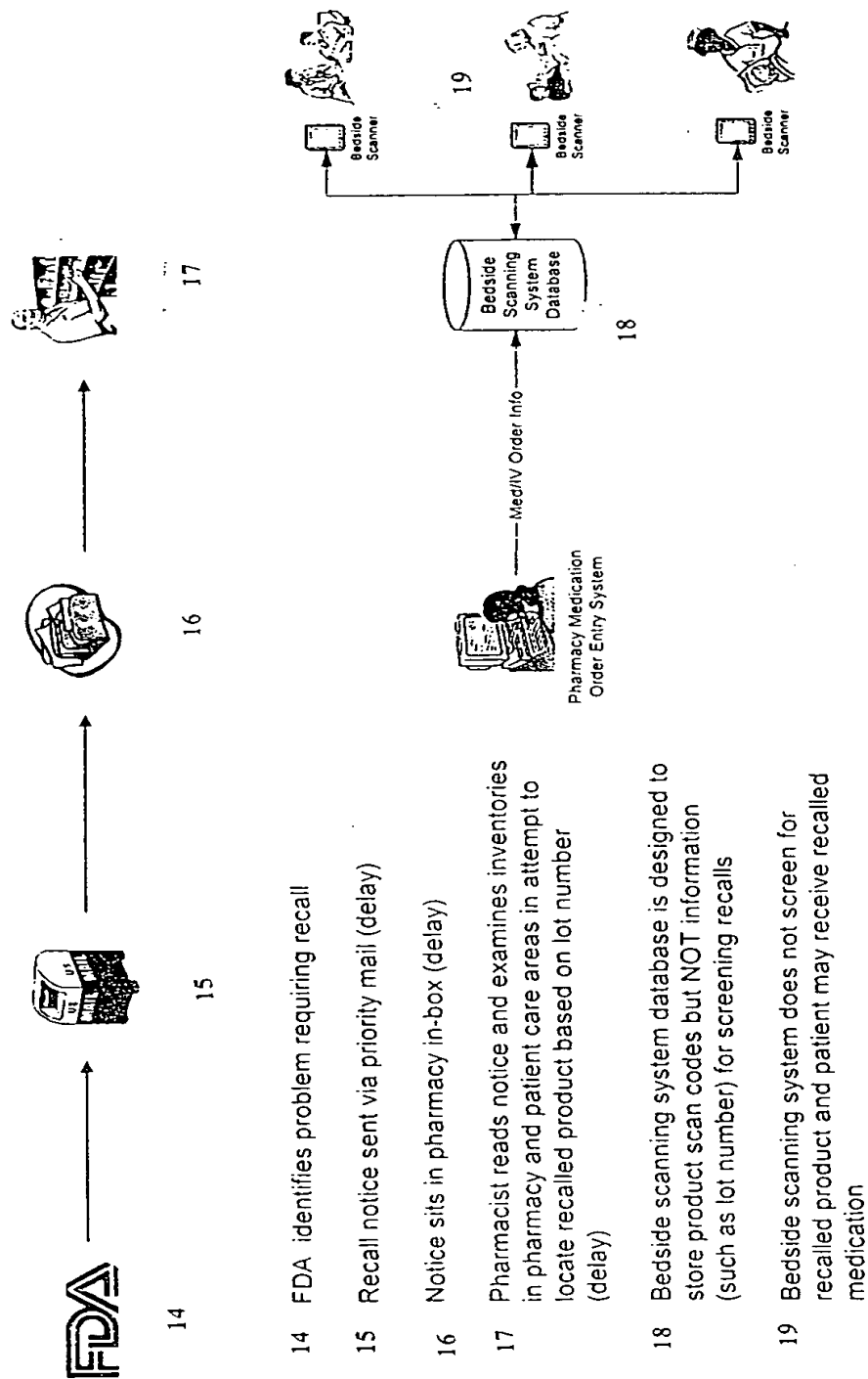
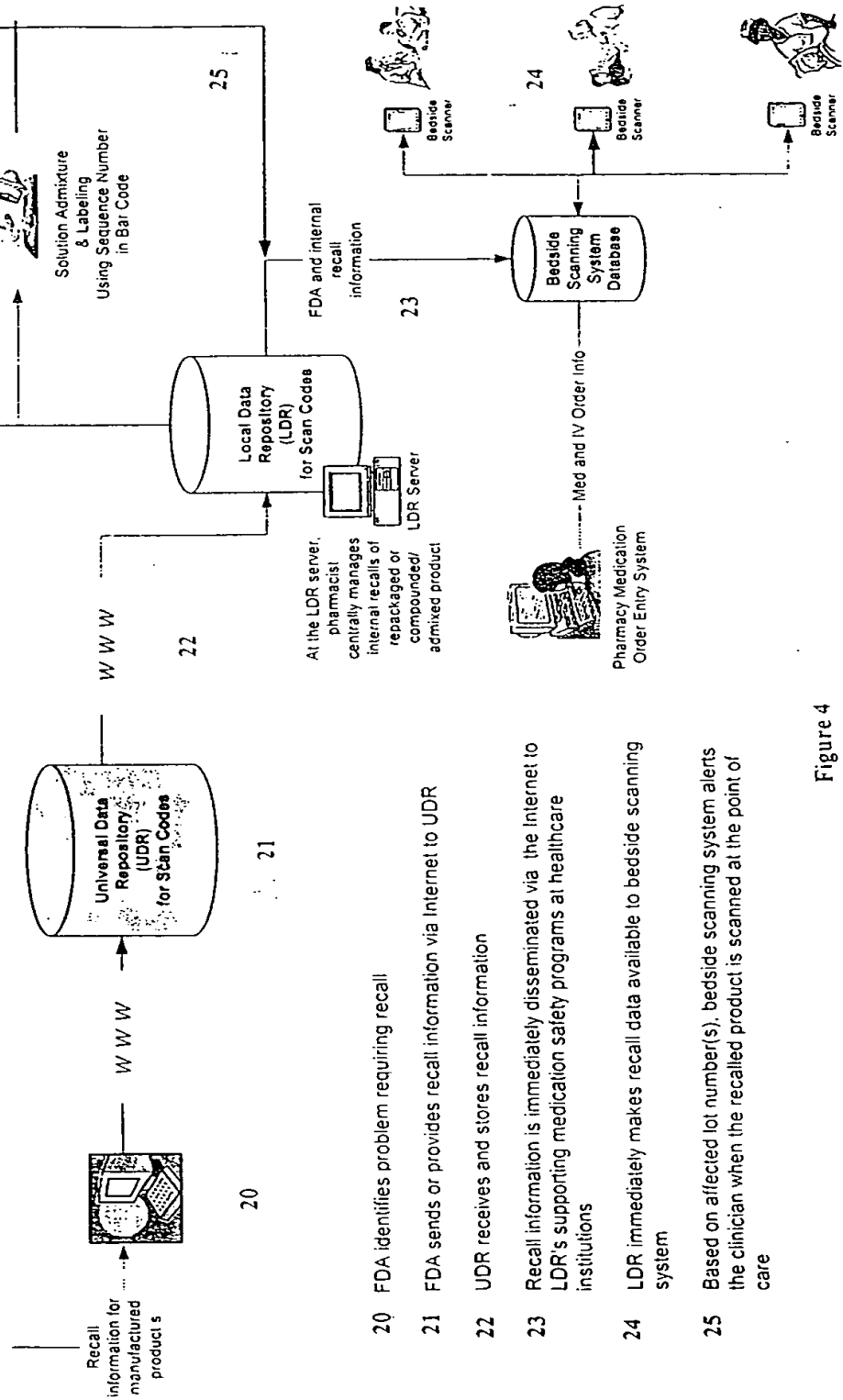


Figure 3
Prior Art

Proposed Product Recall Process

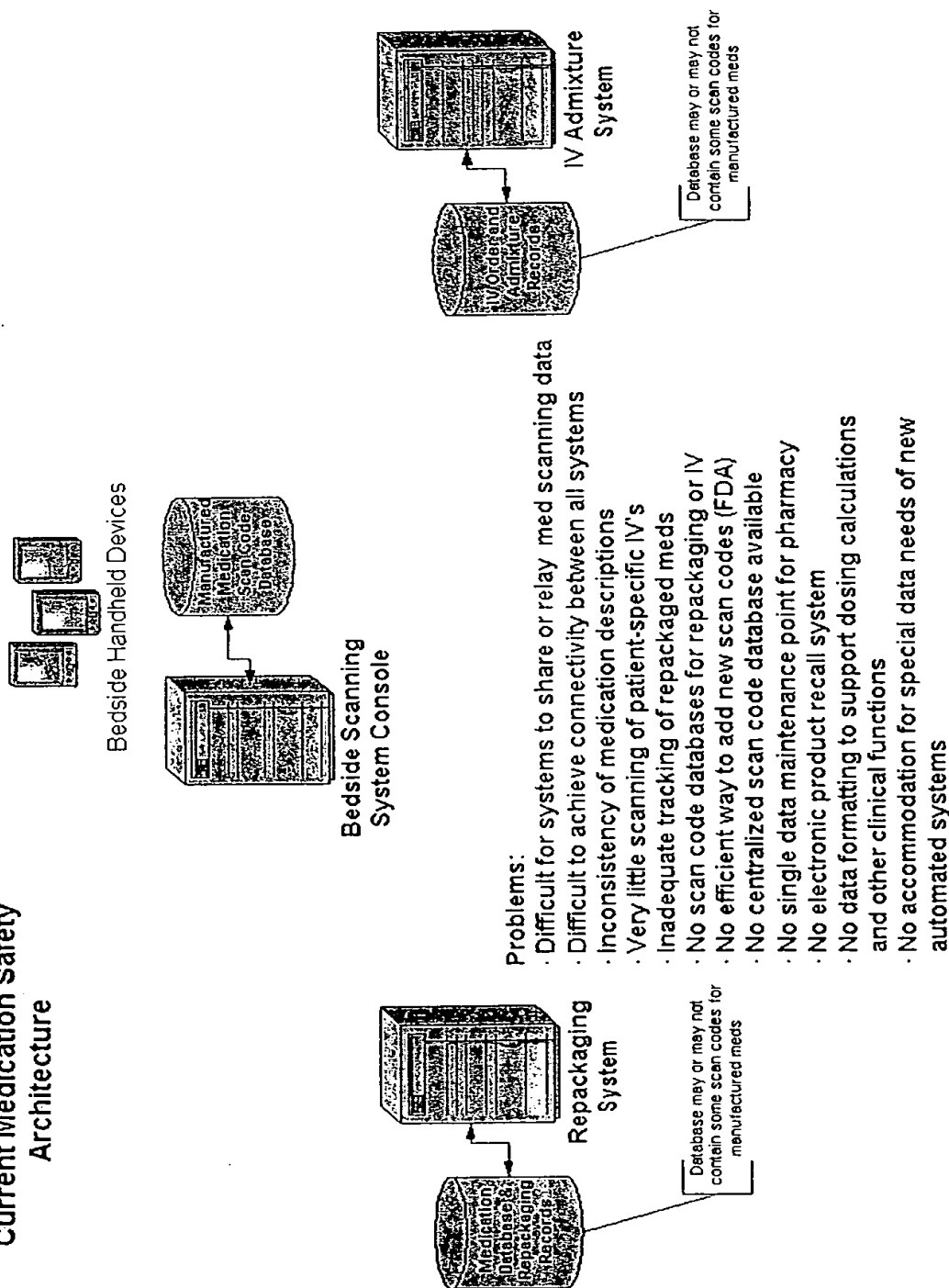
(Example = A Recalled Medication)



- 20 FDA identifies problem requiring recall
- 21 FDA sends or provides recall information via Internet to UDR
- 22 UDR receives and stores recall information
- 23 Recall information is immediately disseminated via the Internet to LDR's supporting medication safety programs at healthcare institutions
- 24 LDR immediately makes recall data available to bedside scanning system
- 25 Based on affected lot number(s), bedside scanning system alerts the clinician when the recalled product is scanned at the point of care

Figure 4

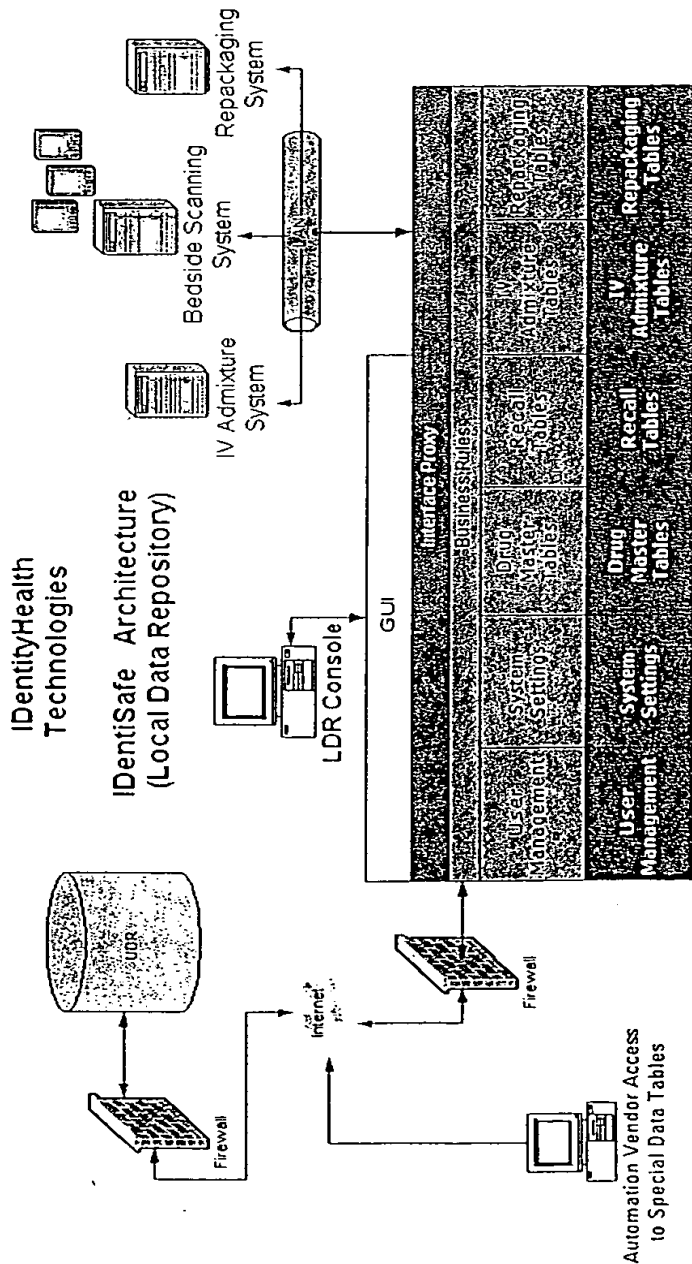
Current Medication Safety Architecture



Problems:

- Difficult for systems to share or relay med scanning data
- Difficult to achieve connectivity between all systems
- Inconsistency of medication descriptions
- Very little scanning of patient-specific IV's
- Inadequate tracking of repackaged meds
- No scan code databases for repackaging or IV
- No efficient way to add new scan codes (FDA)
- No centralized scan code database available
- No single data maintenance point for pharmacy
- No electronic product recall system
- No data formatting to support dosing calculations and other clinical functions
- No accommodation for special data needs of new automated systems

Figure 5



Resolutions to problems using IDentiSafe:

- Any system can access medication data by following IDentiSafe technical business rules
- Systems can relay scan code data to IDentiSafe and therefore to each other
- All systems can access the same med descriptions and med scan codes for consistency
- Unique patient-specific IV's can be positively identified and, if necessary, individually recalled
- Repackaged meds can be tracked and, if necessary, recalled by batch
- Repackaging or IV Systems can access any scan code for pre-scanning medications
- IDentiSafe can be updated automatically with new med descriptions and scan codes as issued by the FDA (NDC numbers)
- One centralized medication description and scan code data maintenance point for pharmacy
- An FDA-recalled or internally recalled product can be prevented from being used
- Data is formatted to support calculations, dosing instructions, and other clinical functions
- Automated system vendors can globally manage their systems' special data needs

Figure 6